

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2004/000696

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H03F3/217 H03F1/32 H03F3/217 H03F1/32 H03F1/30

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 518 838 B1 (RISBO LARS) 11 February 2003 (2003-02-11)	1,2,49, 50
Y	column 4, line 14 - column 7, line 44; figures 2,3	3-48, 51-58
Y	US 6 344 811 B1 (MELANSON JOHN LAURENCE) 5 February 2002 (2002-02-05) cited in the application column 2, line 66 - column 2, line 54; figures 1-3	3-48, 51-58
A	US 2002/180518 A1 (WAGH POOJAN A ET AL) 5 December 2002 (2002-12-05) paragraph '0010! - paragraph '0015!; figures 1,2	1-58
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

26 January 2005

Date of mailing of the international search report

03/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 297 692 B1 (NIELSEN KARSTEN) 2 October 2001 (2001-10-02) column 2, line 63 - column 8, line 49; figures 4,5	1-58
A	EP 0 503 571 A1 (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 16 September 1992 (1992-09-16) page 10, lines 1-19; figure 14	1-58

# INTERNATIONAL SEARCH REPORT

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PCT/DK2004/000696

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6518838	B1	11-02-2003	AT 230900 T	15-01-2003
			AU 2279600 A	25-08-2000
			DE 60001148 D1	13-02-2003
			DE 60001148 T2	23-10-2003
			WO 0046919 A2	10-08-2000
			DK 1153476 T3	05-05-2003
			EP 1153476 A1	14-11-2001
			JP 2002536903 T	29-10-2002
US 6344811	B1	05-02-2002	AU 3933700 A	04-10-2000
			EP 1161794 A1	12-12-2001
			WO 0055966 A1	21-09-2000
US 2002180518	A1	05-12-2002	WO 02099966 A1	12-12-2002
US 6297692	B1	02-10-2001	AT 255784 T	15-12-2003
			AU 734813 B2	21-06-2001
			AU 4772897 A	22-05-1998
			CA 2271041 A1	07-05-1998
			CN 1235711 A ,B	17-11-1999
			DE 69726592 D1	15-01-2004
			DE 69726592 T2	11-11-2004
			WO 9819391 A2	07-05-1998
			DK 935846 T3	22-03-2004
			EP 1376858 A1	02-01-2004
			EP 0935846 A2	18-08-1999
			ES 2212082 T3	16-07-2004
			JP 3346579 B2	18-11-2002
			JP 2001503575 T	13-03-2001
			KR 2000052932 A	25-08-2000
PT 935846 T	30-04-2004			
EP 0503571	A1	16-09-1992	JP 4281606 A	07-10-1992
			DE 69229973 D1	21-10-1999
			DE 69229973 T2	27-04-2000
			US 5262733 A	16-11-1993